

ABSTRACT

A printed circuit board (PCB) includes metallization portions that are enshrouded with a carbon-based cladding. The carbon-based cladding reduces noise coupling between, for example, signal lines within the metallization pattern. In
5 addition, in at least one embodiment, the carbon-based cladding is used to implement one or more electrical resistors (e.g., pull-up and/or pull-down resistors) within the PCB. The carbon-based cladding can also be used to decrease the propagation delay of the signal lines of the PCB.

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